

KEY MAP OF WASHINGTON SHOWING LOCATION OF PROJECT



UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE – REGION SIX



COLVILLE NATIONAL FOREST

REPUBLIC RANGER DISTRICT

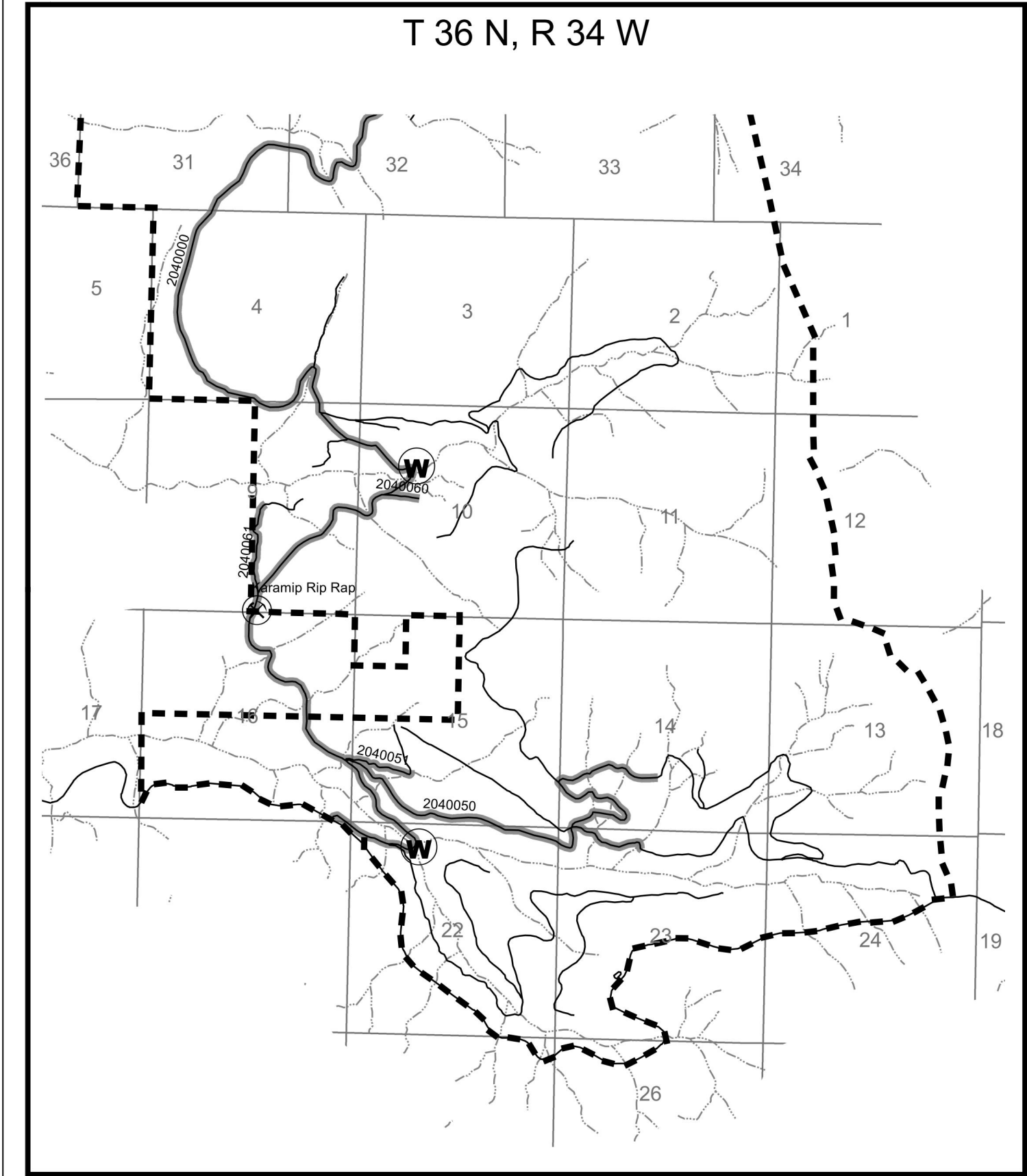
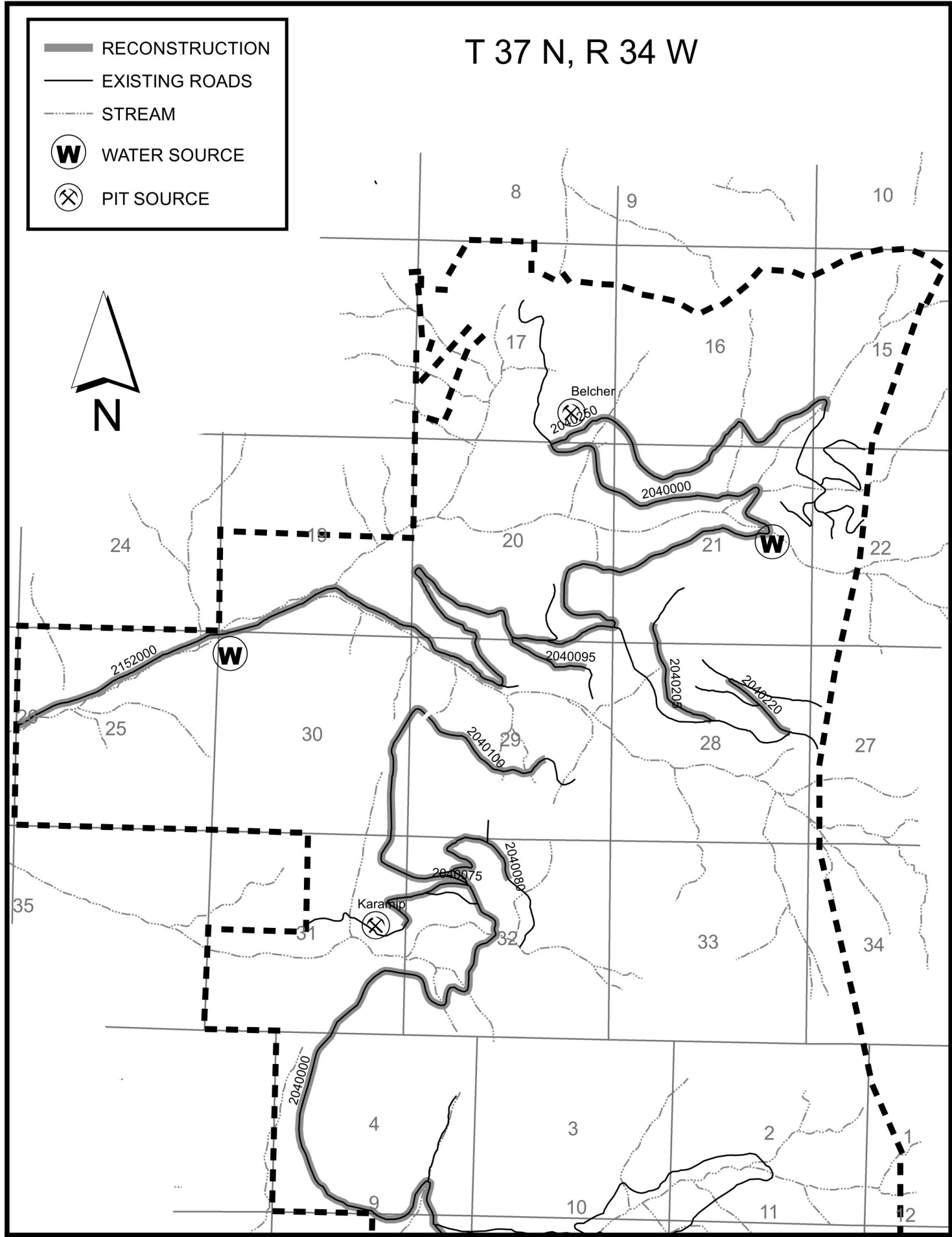
DRAWINGS FOR PROPOSED
WALKER STEWARDSHIP

ROAD NUMBER	LENGTH	CONSTRUCT / RECONST.	SHEET NUMBER	DESIGN VEHICLE	CRITICAL VEHICLE
2040000 S1	8.51	RECONST		LOG TRUCK	LOWBOY
2040000 S3	5.21	RECONST		LOG TRUCK	LOWBOY
2040050	2.66	RECONST		LOG TRUCK	LOG TRUCK
2040051	0.35	RECONST		LOG TRUCK	LOG TRUCK
2040055	0.41	RECONST		LOG TRUCK	LOG TRUCK
2040060	0.18	RECONST		LOG TRUCK	LOG TRUCK
2040061	0.53	RECONST		LOG TRUCK	LOG TRUCK
2040075	0.64	RECONST		LOG TRUCK	LOG TRUCK
2040080	1.01	RECONST		LOG TRUCK	LOG TRUCK
2040095	0.47	RECONST		LOG TRUCK	YARDER
2040100	0.75	RECONST		LOG TRUCK	YARDER
2040205	0.65	RECONST		LOG TRUCK	LOG TRUCK
2040220	0.41	RECONST		LOG TRUCK	LOG TRUCK
2040250	1.93	RECONST		LOG TRUCK	YARDER
2152000	2.79	RECONST		LOG TRUCK	LOWBOY

TOTAL CONSTRUCTION	0.00	MILES
TOTAL RECONSTRUCTION	26.50	MILES

INDEX TO SHEETS	
NO.	DESCRIPTION
1	TITLE SHEET
2	VICINITY MAP
3	ESTIMATE OF QUANTITIES
5	WORK LIST
8	ROADWAY TYPICAL
9	CULVERT DETAILS
10	CULVERT LIST
11	DRAINAGE DETAILS
12	GATE DETAIL
13	BRUSHING DETAIL

DESIGNED BY:		
NAME	DATE	
REVIEWED BY:		
NAME	DATE	
APPROVED BY:		
NAME	FOREST ENGINEER	DATE
RECOMMENDED BY:		
NAME	DISTRICT RANGER	DATE



WALKER STEWARDSHIP	SHEET	OF
VICINITY	2	13

			Project Road Number and Length											
Item Number	Description	Unit	2040000 Seg 1	2040000 Seg 3	2040050	2040051	2040055	2040060	2040061	2040075	2040080	2040095	Page Totals	Remarks
			8.51	5.21	2.66	0.35	0.41	0.18	0.53	0.64	1.01	0.47		
			Quantities											
15101	Mobilization	ls	All	All	All	All	All	All	All	All	All	All	All	
15206	Retaining wall survey and staking, tolerance _	ls		All									All	
15401	Contractor testing, geotechnical investigation	ls		All									All	
18506	Road design, reconstruction, non-geometric	ls		All									All	
20103	Clearing and grubbing, disposal of tops and limbs f, logs f, and stumps f.	mile			1.35						0.09	0.04	1.48	
20152	Remove trees	each	1										1	
20301	Removal of CMP	each	3	2									5	
20305	Removal of structures and obstructions	ls						All	All		All		All	
20402	Roadway excavation, compaction method C, finishing method C .	mile							0.02	0.06	0.07	0.04	0.19	
20411	Embankment construction, compaction method C, finishing method C	cy	32		20								52	
20419A	Drainage excavation, type roadside ditch	ft		2220	690								2910	
20419B	Drainage excavation, type lead-off ditch	ft		10									10	
20420A	Drainage excavation, type drain dip	each				3			4	3	5	1	16	
20420B	Drainage excavation, type outslope drain	each			9		2	1	1		1	4	18	
20420C	Drainage excavation, type catch basin	each		1									1	
23050	Brushing	mile				0.35	0.41	0.18	0.53	0.64	1.01	0.43	3.55	
25101	Placed riprap, class 3.	cy	18		2								20	
25502	Mechanically stabilized earth wall	ls		All									All	
30322	Road reconditioning, compaction method C	mile	0.02	0.02	2.66	0.35	0.41	0.18	0.53	0.64	1.01	0.43	6.25	
32211	Aggregate surface course, grading G, compaction method A	cy	24					8	40	24	8	16	120	
60211A	18 inch corrugated steel pipe, .064 inch thickness	ft	48	96									144	
60211B	24 inch corrugated steel pipe, .064 inch thickness	ft	98										98	
60211C	36 inch corrugated steel pipe, .064 inch thickness	ft		40									40	
62501	Seeding, dry method	acre	0.01	0.26	1.61							0.00	1.88	
65002	Install road closure device, type II gate, gov't furnished	each	1										1	

			Project Road Number and Length										
Item Number	Description	Unit	2040100	2040205	2040220	2040250	2152000				Page Totals	Project Total	Remarks
			0.75	0.65	0.41	1.93	2.79						
			Quantities										
15101	Mobilization	ls	All	All	All	All	All	All	All	All	All	All	
15206	Retaining wall survey and staking, tolerance _	ls									All	All	
15401	Contractor testing, geotechnical investigation	ls									All	All	
18506	Road design, reconstruction, non-geometric	ls									All	All	
20103	Clearing and grubbing, disposal of tops and limbs f, logs f, and stumps f.	mile		0.03							0.03	1.51	
20152	Remove trees	each									0	1	
20301	Removal of CMP	each					1				1	6	
20305	Removal of structures and obstructions	ls		All	All						All	All	
20402	Roadway excavation, compaction method C, finishing method C .	mile		0.28							0.28	0.47	
20411	Embankment construction, compaction method C, finishing method C	cy				15					15	67	
20419A	Drainage excavation, type roadside ditch	ft									0	2910	
20419B	Drainage excavation, type lead-off ditch	ft									0	10	
20420A	Drainage excavation, type drain dip	each		1	3	1					5	21	
20420B	Drainage excavation, type outslope drain	each	1			3					4	22	
20420C	Drainage excavation, type catch basin	each									0	1	
23050	Brushing	mile	0.75	0.65	0.41						1.81	5.36	
25101	Placed riprap, class 3.	cy									0	20	
25502	Mechanically stabilized earth wall	ls									All	All	
30322	Road reconditioning, compaction method C	mile	0.75	0.37	0.41	1.93					3.46	9.71	
32211	Aggregate surface course, grading G, compaction method A	cy	8			16					24	144	
60211A	18 inch corrugated steel pipe, .064 inch thickness	ft					32				32	176	
60211B	24 inch corrugated steel pipe, .064 inch thickness	ft									0	98	
60211C	36 inch corrugated steel pipe, .064 inch thickness	ft									0	40	
62501	Seeding, dry method	acre				0.01	0.01				0.02	1.90	
65002	Install road closure device, type II gate, gov't furnished	each									0	1	

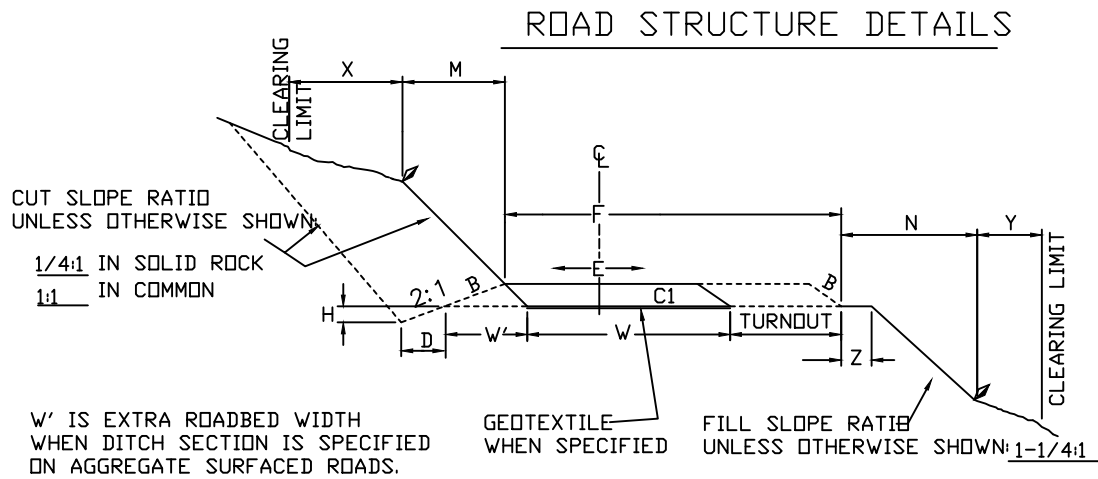
	2040000 Seg 1		ROAD	2040000 Seg 3 (continued)	
	MP	WORK ITEMS		MP	WORK ITEMS
	0.00	Jct Hwy-20		3.94	Remove and dispose existing CMP
	0.17	Remove slide material from ditch and roadway			Install new 36" X 40' CMP
	0.64	Repair fill failure, place 12 cy riprap, place 2 cy borrow, and scatter slash over site		5.21	Jct 2040250 Rt
	1.00	Jct 2040050 Rt			End of project
	1.01	Jct 2040051 Rt			
	1.03	Remove tree at culvert inlet	ROAD	2040050	
	1.43	Jct 2040055 Rt		MP	WORK ITEMS
	2.10	Jct 2040061 Lt		0.00	Jct 2040000
	2.97	Jct 2040060 Rt			Begin clearing and grubbing outside shoulder
	3.10	Remove and dispose existing CMP			Begin roadway reconditioning
		Install new 18" X 48' CMP		0.09	Construct OSD
	3.17	Install Type 2 gate as staked by CO		0.19	Construct OSD
	3.53	Jct 2040063 Lt		0.28	Construct OSD
	3.71	Jct 2040065 Rt		0.41	Construct OSD
	4.36	Begin placing 4" of aggregate		1.04	Construct OSD
	4.39	End placing 4" of aggregate		1.35	Jct 2040055 Lt/Rt
	6.30	Remove and dispose existing CMP			End clearing and grubbing shoulder
		Install new 24" X 46' CMP		1.41	Construct OSD
	6.48	Remove and dispose existing CMP		1.49	Begin constructing ditch Lt
		Install new 24" X 52' CMP		1.52	End constructing ditch Lt
	6.63	Haul and place 10 cy of fill - spread 25' each side of pipe for cover		1.57	Begin constructing ditch Lt
	6.83	Repair fill failure, place 6 cy riprap, place 2 cy borrow, and scatter slash over site		1.61	End constructing ditch Lt
	6.93	Jct 2040073 Lt		1.64	Begin constructing ditch Rt
	7.13	Jct 2040075 Lt		1.70	End constructing ditch Rt
	7.15	Jct 2040080 Rt		1.79	Haul and place 20 cy of fill - spread 50' each side of pipe for cover
	8.51	Jct 2040100 Rt		1.95	Construct OSD
		End of project		2.11	Jct 2040054 Lt
				2.17	Construct OSD
ROAD	2040000 Seg 3			2.30	Haul and place 2 cy of riprap - armor outlet 3' wide and 18" deep
	MP	WORK ITEMS		2.51	Construct OSD
	0.00	Jct 2152000		2.60	Construct TAL
	1.33	Remove and dispose existing CMP		2.66	End of project, end all work
		Install new 18" X 60' CMP			
	1.45	Jct 2040090 Lt, Jct 2040095 Rt	ROAD	2040051	
	2.01	Jct 2040200 Rt		MP	WORK ITEMS
	3.04	Remove slide material from ditch and roadway (~30 cy)		0.00	Jct 2040000
	3.19	Begin constructing ditch Rt			Begin roadside brushing
	3.61	End constructing ditch Rt			Begin roadway reconditioning
	3.67	PURCHASER CONTRACTED ENGINEERING SERVICES		0.06	Construct DD
		200' long section of road currently 9-10' wide that requires survey, design, and a global stability geotechnical investigation.		0.14	Construct DD
				0.35	Construct DD
	3.73	Install new 18" X 36' CMP with catchbasin and lead-off ditch			End of project, end all work

ROAD	2040055 - East of 2040050		ROAD	2040075 (continued)	
	MP	WORK ITEMS		MP	WORK ITEMS
	0.00	Jct 2040050		0.41	Construct DD with aggregate
		Begin roadside brushing		0.42	Begin constructing 5' CWL
		Begin roadway reconditioning		0.48	End constructing 5' CWL
	0.24	Construct OSD		0.55	Construct DD with aggregate
	0.40	Construct OSD		0.63	Construct DD with aggregate
	0.41	End of project, end all work			Unit Boundary
				0.64	End of project, end all work
ROAD	2040060				
	MP	WORK ITEMS	ROAD	2040080	
0	0.00	Jct 2040000		MP	WORK ITEMS
		Begin roadside brushing		0.00	Jct 2040000
		Begin roadway reconditioning			Begin roadside brushing
85	0.02	Remove earth berm			Begin roadway reconditioning
188	0.04	Embedded material		0.03	Place 50 cy of borrow from rock berms
420	0.08	Embedded material		0.08	Begin constructing 6' CWR
770	0.15	Construct OSD with aggregate		0.09	End borrow placement
930	0.18	Wire gate		0.10	End constructing 6' CWR
		End of project, end all work			Remove rock berms x10
			165	0.13	Construct DD
			525	0.20	Apex LHC ~50'
ROAD	2040061		750	0.24	Construct DD
	MP	WORK ITEMS	1025	0.29	Construct DD
0	0.00	Jct 2040000	1375	0.36	Apex RHC ~50'
		Begin roadside brushing	1475	0.38	Construct DD
		Begin roadway reconditioning	2375	0.55	Jct 2040082 Lt
200	0.04	Remove earth berm x2	2685	0.61	Construct DD
330	0.06	Construct DD with aggregate	3000	0.67	Construct OSD with aggregate
600	0.11	Construct DD with aggregate	4810	1.01	End of project, end all work
825	0.16	Construct DD with aggregate			
1020	0.19	Construct DD with aggregate			
1860	0.35	Construct OSD with aggregate	ROAD	2040095	
2230	0.42	Begin constructing 2' CWR		MP	WORK ITEMS
2330	0.44	End constructing 2' CWR		0.00	Jct 2040000
2780	0.53	End of project, end all work			Begin clearing and grubbing
					Begin constructing 12' roadbed
			100	0.02	Construct DD with aggregate
ROAD	2040075		200	0.04	End constructing 12' roadbed
	MP	WORK ITEMS			End clearing and grubbing
	0.00	Jct 2040000			Begin roadside brushing
		Begin roadside brushing			Begin roadway reconditioning
		Begin roadway reconditioning	600	0.11	Construct OSD

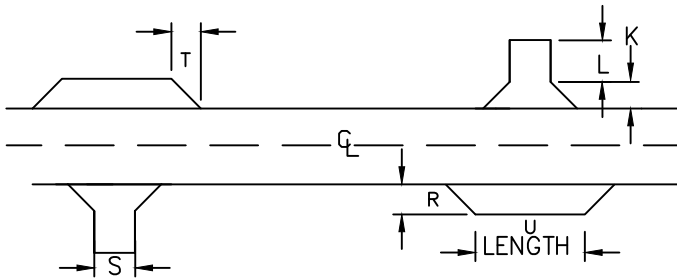
ROAD	2040095 (continued)		ROAD	2040220 (continued)	
	MP	WORK ITEMS		MP	WORK ITEMS
960	0.18	Construct OSD with aggregate	525	0.10	Jct 2040221 Lt
1435	0.27	Construct OSD	1450	0.27	Construct OSD
1635	0.31	Construct OSD	2000	0.38	Construct OSD
2500	0.47	End of project, end all work	2180	0.41	Jct 2040223 Lt
					End of project, end all work
ROAD	2040100				
	MP	WORK ITEMS	ROAD	2040250	
	0.00	Jct 2040000		MP	WORK ITEMS
		Begin roadside brushing		0.00	Jct 2040000
		Begin roadway reconditioning			Begin roadway reconditioning
	0.08	Embedded material		0.10	Construct OSD
	0.46	Construct OSD with aggregate		0.27	Construct DD
	0.58	Embedded material		0.32	Begin constructing 12' roadbed
	0.69	Embedded material		0.34	End constructing 12' roadbed
	0.75	Construct TAL		0.78	Construct OSD with aggregate
		End of project, end all work		1.86	Clean catchbasin
				1.92	Stock trough
					Construct OSD with aggregate
ROAD	2040205			1.93	End of project, end all work
	MP	WORK ITEMS			
	0.00	Jct 2040000			
		Begin roadside brushing	ROAD	2152000	
		Begin roadway reconditioning		MP	WORK ITEMS
	0.01	Remove rock from shoulder		0.00	Cattle Guard @ FS Boundary
	0.09	Construct DD		0.21	Jct C-284 Lt
	0.37	Construct TOL		1.75	Remove and dispose existing CMP
		Begin constructing 12' roadbed			Install new 18" x 32' CMP
	0.65	Construct TAR		2.79	Jct 2040000 Lt
		End of project, end all work			End of project
ROAD	2040220				
	MP	WORK ITEMS			
0	0.00	Jct 2040200			
		Begin roadside brushing			
		Begin roadway reconditioning			
80	0.02	Remove earth berm			
400	0.08	Construct OSD			

TYPICAL ROADWAY SECTION

(NOT TO SCALE)



TURNAROUND & TURNOUT SYMBOLS



NOTES

1. CURVE WIDENING, WHEN SPECIFIED, SHALL BE ADDED TO INSIDE OF CURVE.
2. TAPER LENGTH ON CURVE WIDENING IS LOCATED IN THE CURVE DATA BOX SHOWN BELOW.
3. SEEDING AND/OR MULCHING AREA INCLUDES SECTIONS SHOWN ON TYPICALS AND ALL OTHER AREAS DISTURBED BY CONTRACTOR.
4. TURNOUTS AND CURVE WIDENING SHALL BE SURFACED TO SAME DEPTH AS THE TRAVELED WAY AND TO THE DIMENSIONS SPECIFIED IN THE PLANS.
5. CONSTRUCTION STAKES SHALL BE 0.3 in. THICK X 1.5 in. WIDE X 24 in. LONG, +/- 0.1in. THICKNESS AND THE TOP 2in. TO BE PAINTED RED. CLEARING FLAGGING SHALL BE GLO PINK. STAKES SHALL BE SET ON UPHILL SIDE OF CENTERLINE.
6. SLOUGH WIDENING "Z" SHALL BE 1ft. WHERE FILLS ARE 5ft. OR LESS AND 2ft. WHERE FILLS ARE GREATER THAN 5ft.
7. ALL DITCHES SHALL BE SLOPED TO DRAIN.
8. SEEDING IS NOT REQUIRED WHERE SLOPE RATIOS ARE 1/2:1 OR STEEPER.
9. ROADWAY FINISHING FOR ALL ROADS IS METHOD C PER FSSS 204.13
10. IN AREAS WHERE DD OR OSD FALL WITHIN A DESIGNATED AGGREGATE SPREAD, PLACE AGGREGATE AS SHOWN IN DRAINAGE DETAIL.

ROAD NUMBER	M - MANDATORY O - OPTIONAL	STATION/ M.P.	to STATION/ M.P.	GRADING											2/ AGGREGATE			REVEGETATION					CLEARING																			
				CONSTRUCTION TOLERANCE	1/ OUTSLOPE (O) INSLOPE (I) CROWN (C) %		3/ ROADBED WIDTH FT.	2/ DITCH DIMENSIONS FT.		5/ TURN AROUND FT.			TURNOUTS FT.			MINIMUM TRAVELED WAY WIDTH FT.	GRADATION	COMPACTED DEPTH INCH	SLOPE RATIO	SEEDING and/or MULCHING AREA					MINIMUM CLEARING WIDTH FT.	FEET BEYOND TOP OF CUT TO TOE OF FILL		MINIMUM ROADWAY BRUSHING WIDTH FT.														
					E	W		D	H	K	L	S	R	U	T														F	C1	C1	B	M	N	D	F		FT	X	Y	FT	
2040000 S1	M	0.00	8.51		1/	12'	2'	1'	15'	15'	14'	8'	50'	25'	14'			5/	2:1	X	X	X									22'											
2040000 S3	M	0.00	5.21																																							
2040050	M	0.00	2.66																																							
2040051	M	0.00	0.35																																							
2040055	M	0.00	0.41																																							
2040060	M	0.00	0.18																																							
2040061	M	0.00	0.53																																							
2040075	M	0.00	0.64																																							
2040080	M	0.00	1.01																																							
2040095	M	0.00	0.47																																							
2040100	M	0.00	0.75																																							
2040205	M	0.00	0.65																																							
2040220	M	0.00	0.41																																							
2040250	M	0.00	1.93																																							
2152000	M	0.00	2.79		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					↓	↓	↓	↓								↓												

FOOTNOTES

- 1/ OUTSLOPE ALL ROADS EXCEPT INSLOPE IN DITCHED AREAS AND CULVERT CATCH BASINS UNLESS OTHERWISE SHOWN ON PLANS.
- 2/ AT LOCATIONS SHOWN ON THE DRAWINGS.
- 3/ CONSTRUCT ADDITIONAL WIDTH IN ALL AREAS WHERE PLACEMENT OF AGGREGATE IS SHOWN ON THE PLANS
- 4/ CLEARING LIMITS SHALL BE ESTABLISHED FROM STAKE NOTES OR 13 FEET FROM CENTERLINE WHICHEVER IS GREATER.
- 5/ DEPTHS AS SHOWN IN THE PLANS

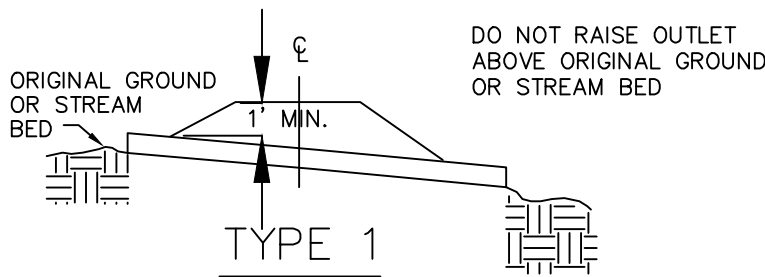
ABBREVIATIONS

DD=DRAIN DIP
OSD=OUTSLOPE DRAIN
TOR=TURNOUT RIGHT
TOL=TURNOUT LEFT
TAR=TURNAROUND RIGHT
TAL=TURNAROUND LEFT
CWR=CURVE WIDENING
RIGHT
CWL=CURVE WIDENING
LEFT
LOD=LEADOUT DITCH
——=GROUND
- - =GRADE

WALKER STEWARDSHIP	SHEET	OF
ROADWAY TYPICAL	8	13

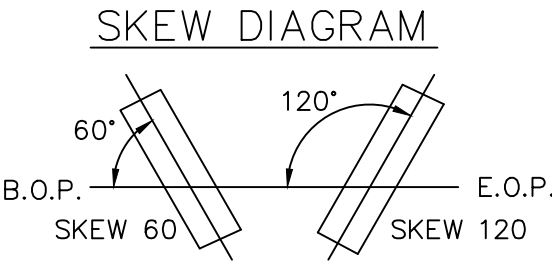
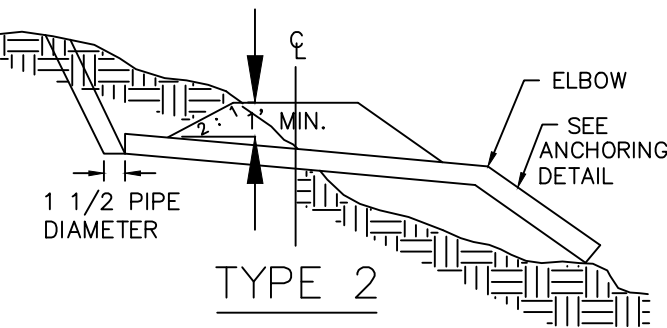
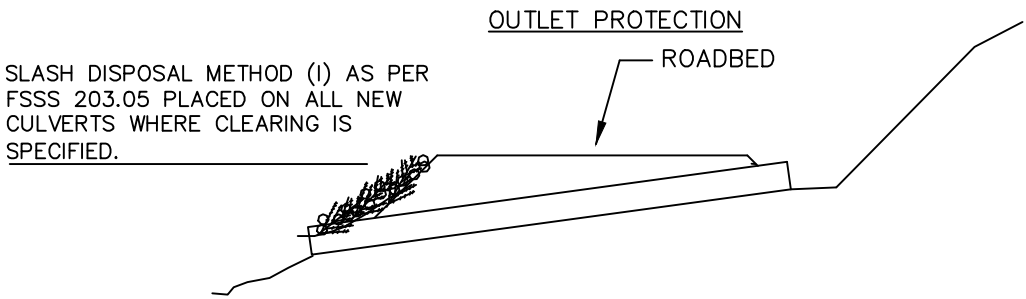
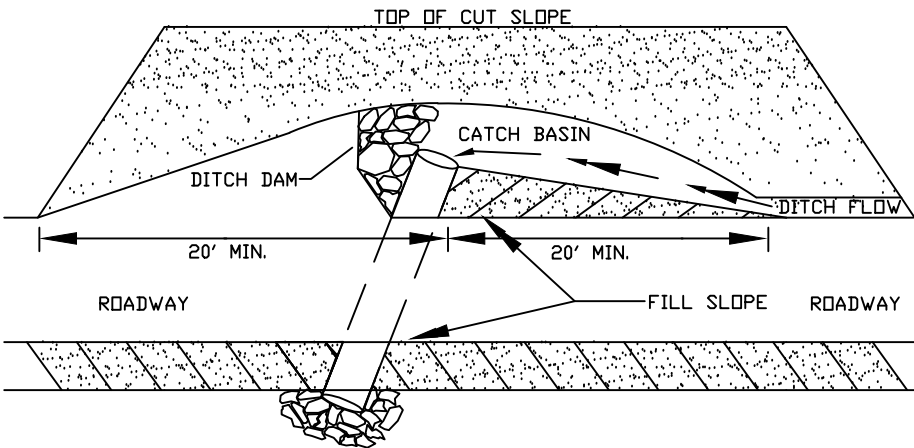
CULVERT DETAILS

CULVERT TYPES

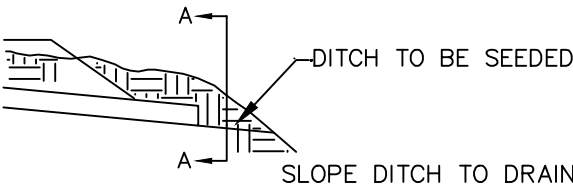


CATCH BASIN DETAIL AND INLET & OUTLET PROTECTION

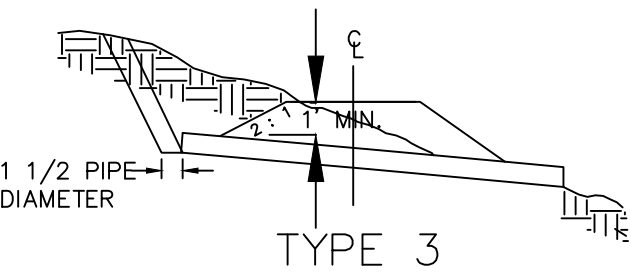
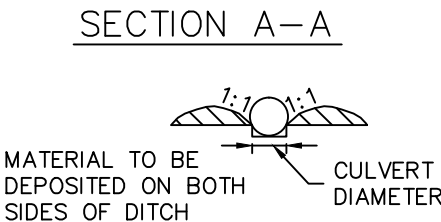
FOR ALL NEW TYPE 1, 2 & 3 CULVERT INSTALLATION



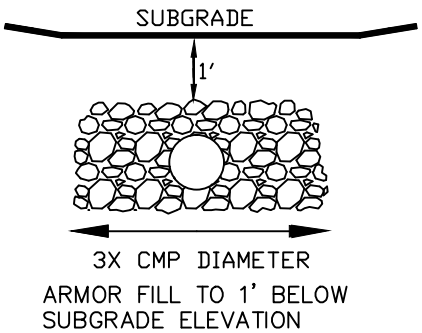
LEADOUT DITCH



LEADOUT DITCH

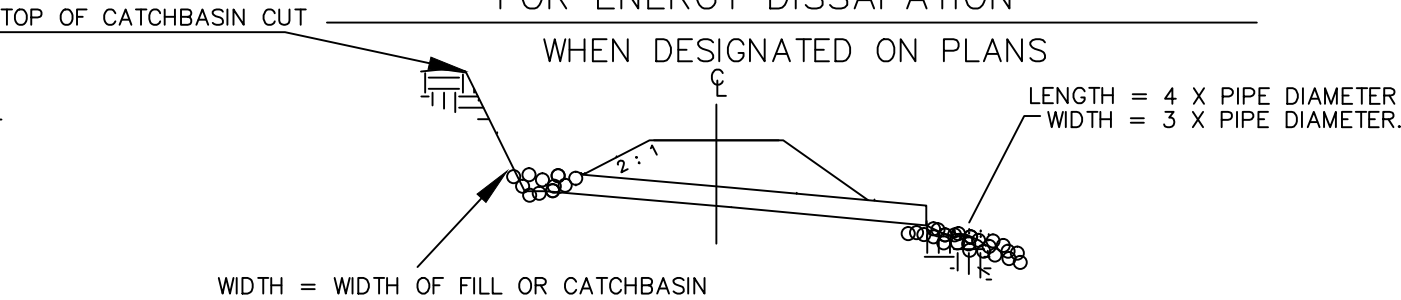


ARMORING CULVERT FILL SLOPES



RIPRAP CULVERT INLET & OUTLET FOR ENERGY DISSIPATION

WHEN DESIGNATED ON PLANS

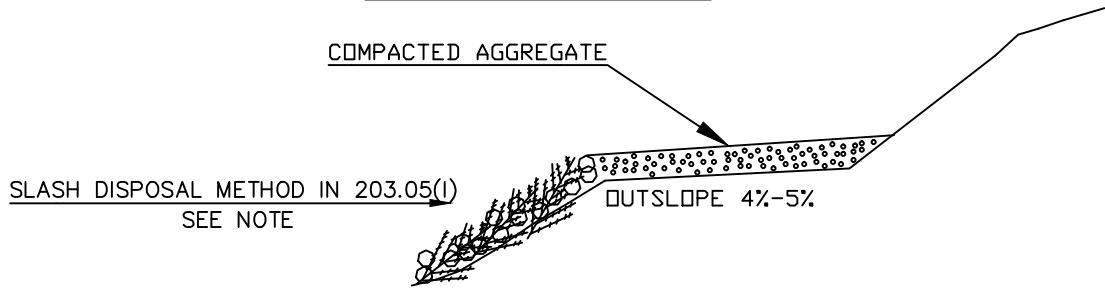


WALKER STEWARDSHIP	SHEET	OF
CULVERT DETAILS	9	13

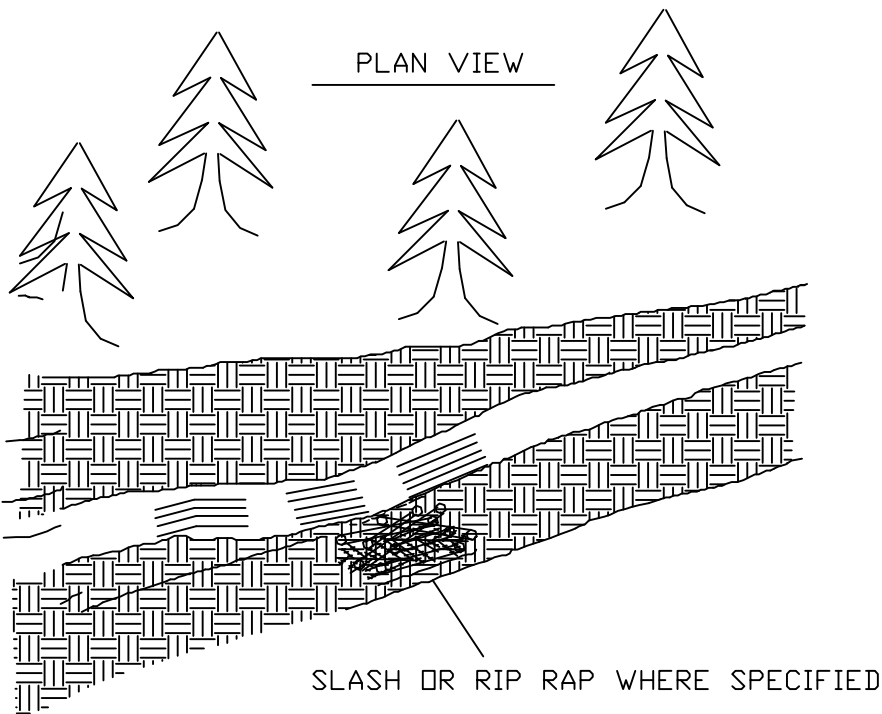
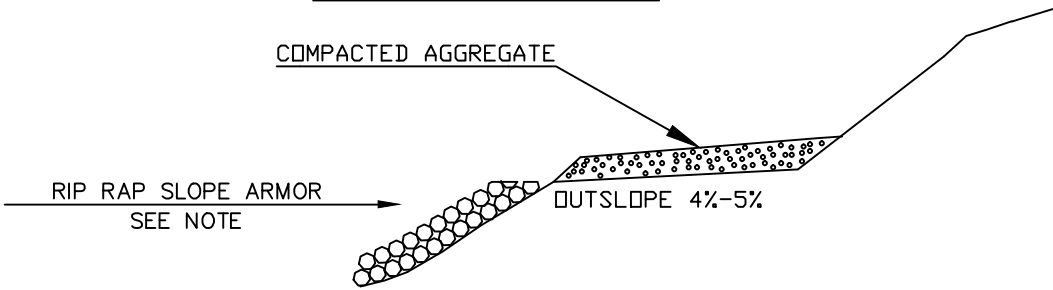
DESIGNED			AS BUILT			CORRUGATION & THICKNESS		INSTALLATION DETAILS				GA. - GAUGE AL. - ALUMINUM FE. - STEEL TF. - TO FIT
STATION OR MILE POST	DIAMETER IN INCHES	LENGTH IN FEET	STATION	DIAMETER IN INCHES	LENGTH IN FEET	2-2/3" x 1/2" .064 FE (16 GA.)	2-2/3" x 1/2" .060 AL (16 GA.)	TYPE	SKEW	COMPACTION METHOD	STAKING METHOD	SLASH DISPOSAL METHOD (1) AS PER FSSS 203.05 SHALL BE PLACED ON ALL CULVERT INSTALLATIONS WHERE CLEARING IS SPECIFIED.
												REMARKS
Rd 2040000 Seg. 1												
3.10	18	48				X		3	TF	A	1	
6.30	24	46				X		1	TF	B	1	
6.48	24	52				X		1	TF	B	1	
Rd 2040000 Seg. 3												
1.33	18	60				X		3	TF	A	1	
3.73	18	36				X		3	60°	A	1	
3.94	36	40				X		1	TF	B	1	
Rd 2152000												
1.75	18	32				X		3	60°	A	1	

DRAINAGE DETAILS

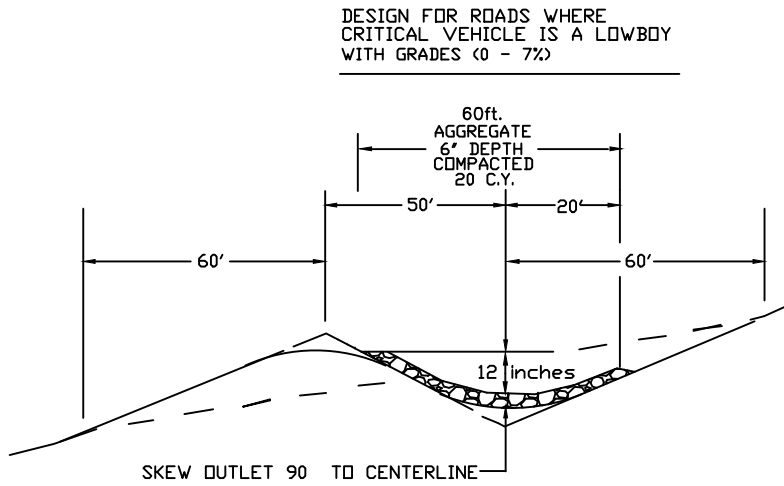
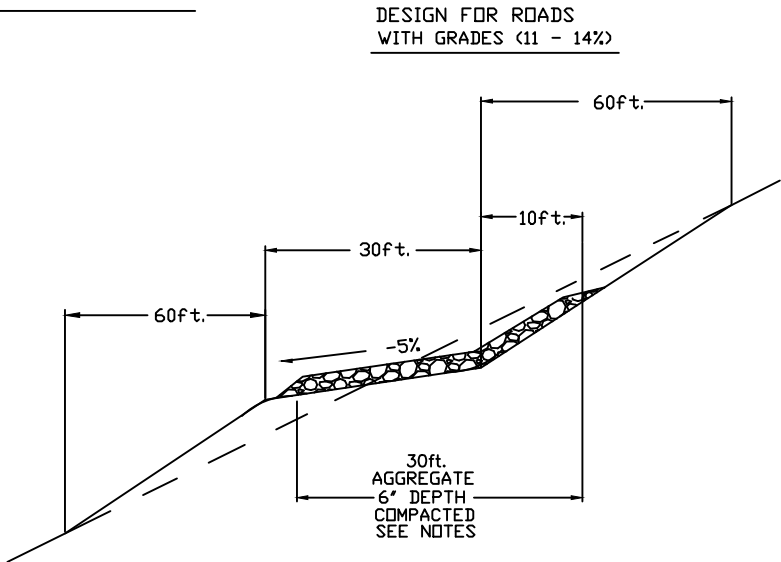
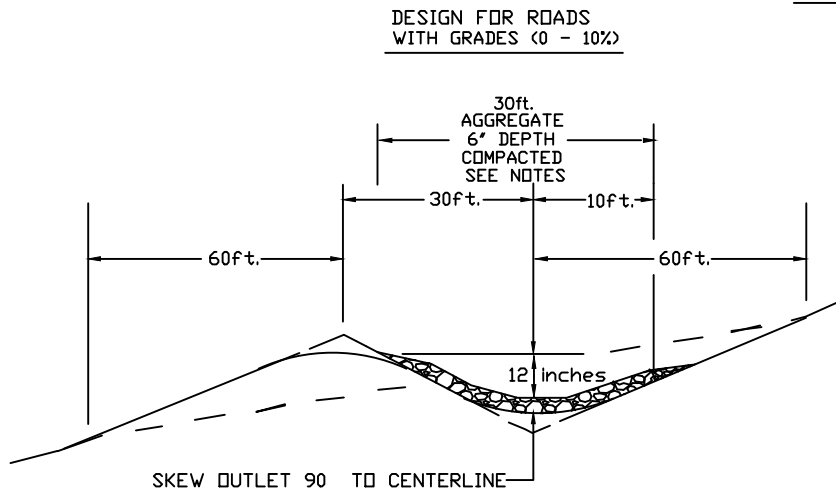
OUTSLOPE DRAIN & DRAIN DIP
SLOPE TREATMENT



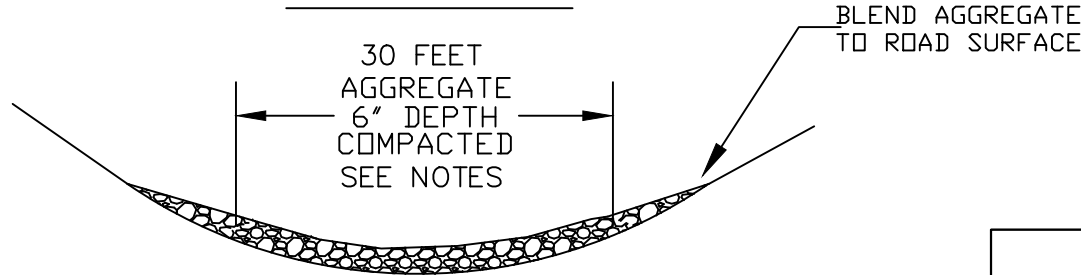
OUTSLOPE DRAIN & DRAIN DIP
SLOPE TREATMENT



DRAIN DIP DETAILS (DD)
PROFILE VIEW



OUTSLOPE DRAIN DETAIL (OSD)
PROFILE VIEW



NOTES:

WHEN GEOTEXTILE IS SPECIFIED IN DRAIN DIPS OR OUT SLOPE DRAINS, SIZE SHALL BE 15'W X 30'L

DO NOT INTERCEPT DITCH WATER WHERE DRAIN DIPS OR OUT SLOPE DRAINS ARE DESIGNATED IN DITCHED SECTIONS, UNLESS OTHERWISE SPECIFIED.

SLASH SHALL BE PLACED ON FILL SLOPES TO A DEPTH OF 1' AT THE LOWEST POINT IN DRAIN DIP OR OUTSLOPED DRAIN, AND EXTEND 5' EACH WAY. THIS APPLYS TO ALL NEW AND RESHAPED DRAINS THAT ARE WITHIN ALL CLEARING LIMIT AREAS.

PLACE RIP RAP ON FILL SLOPES OF DRAIN DIP OR OUTSLOPED DRAINS WHERE SPECIIED, 1' DEEP, EXTENDING 4' EACHWAY OF LOWEST POINT.

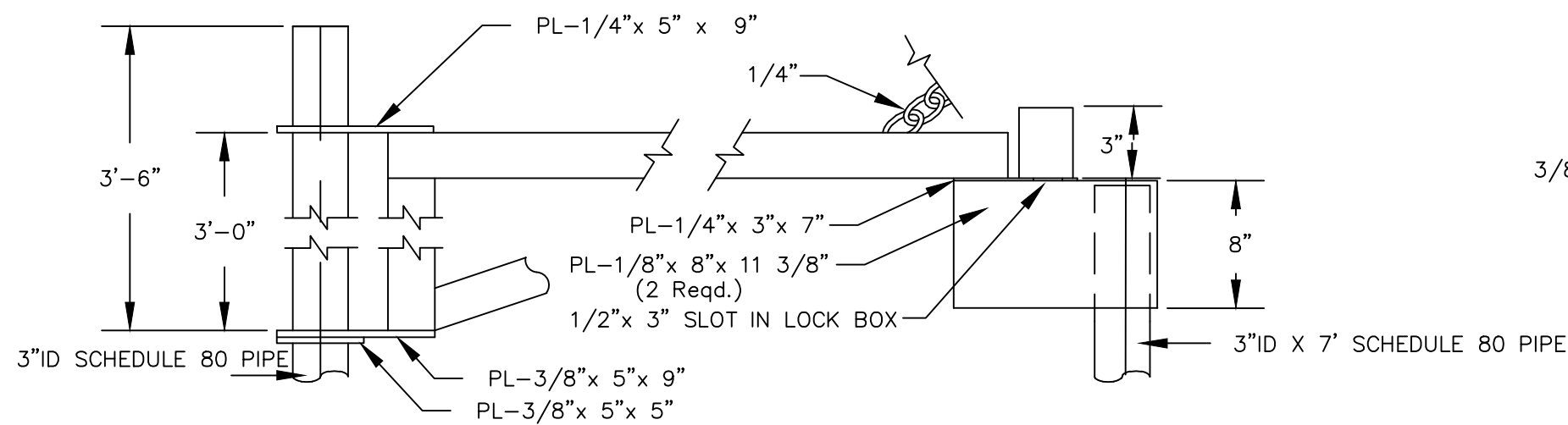
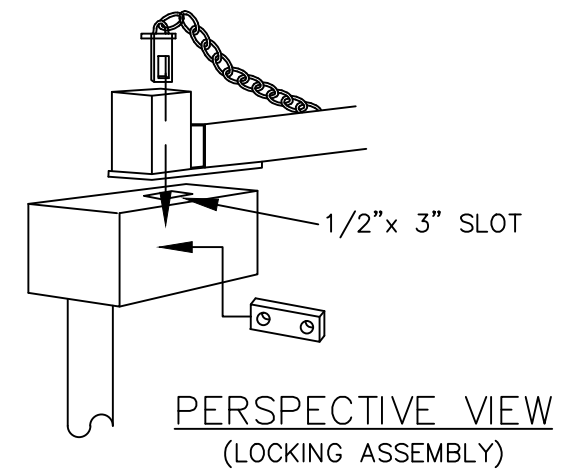
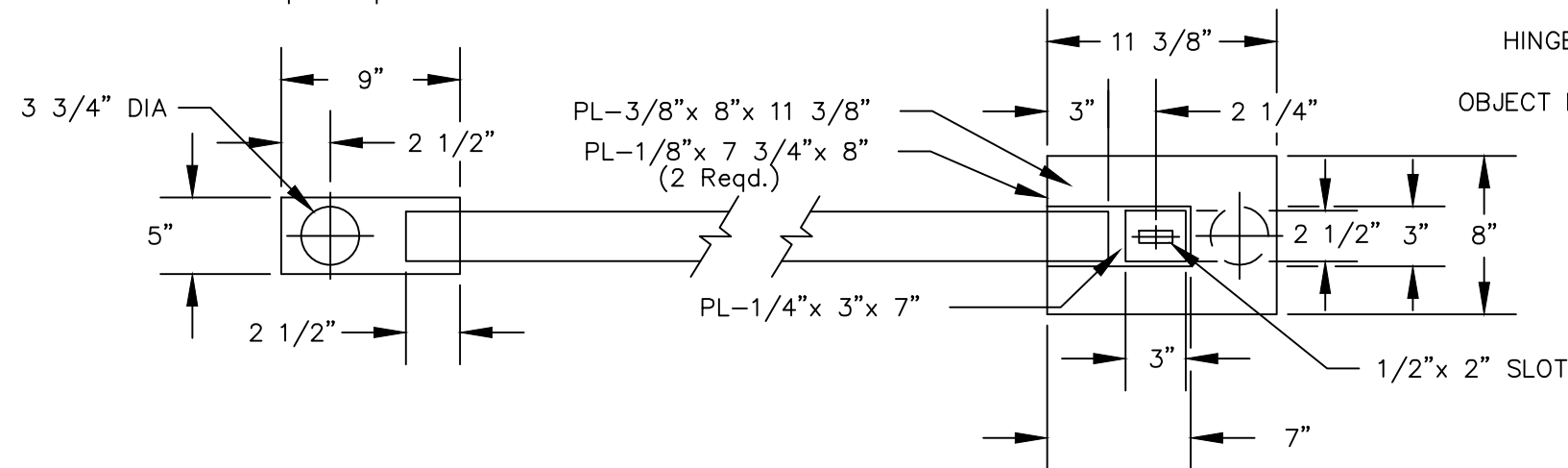
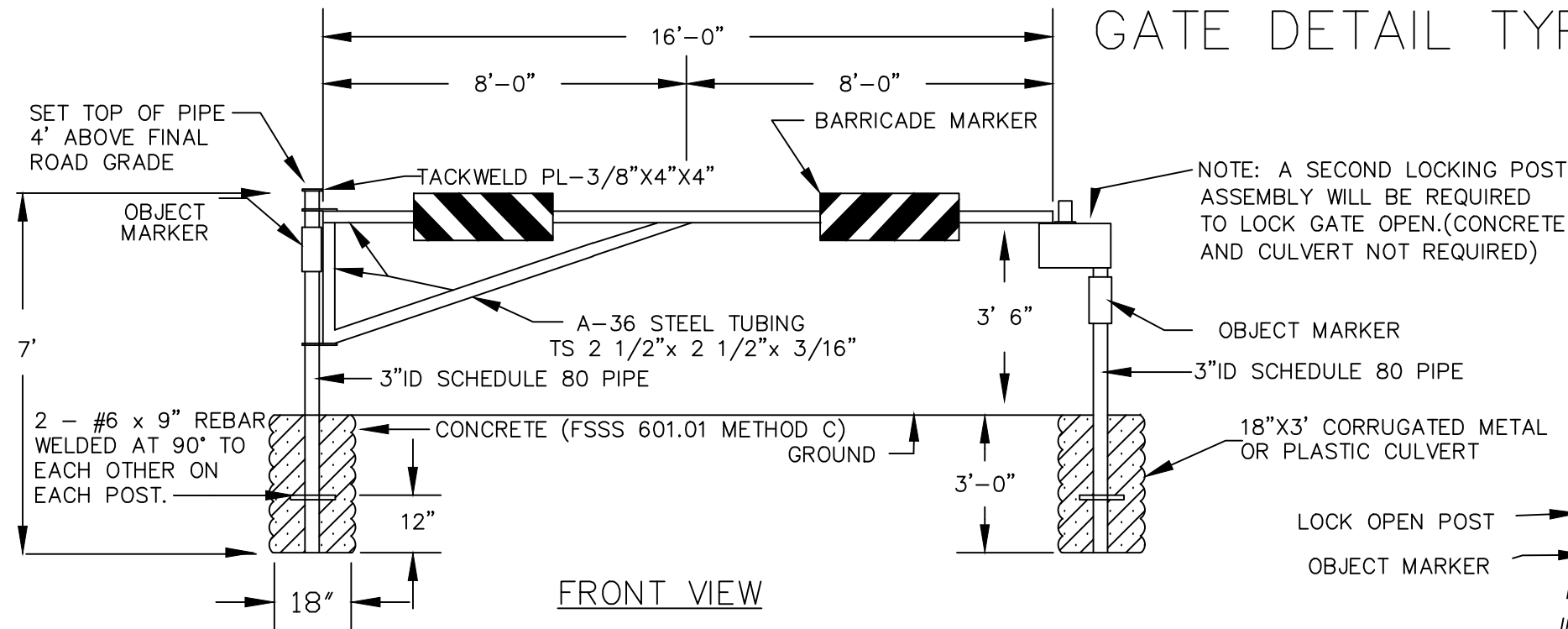
12' ROADBEDS REQUIRE 8 C.Y. OF IN PLACE AGGREGATE
14' ROADBEDS REQUIRE 10 C.Y. OF IN PLACE AGGREGATE

WALKER STEWARDSHIP	SHEET	OF
DRAINAGE DETAILS	11	13

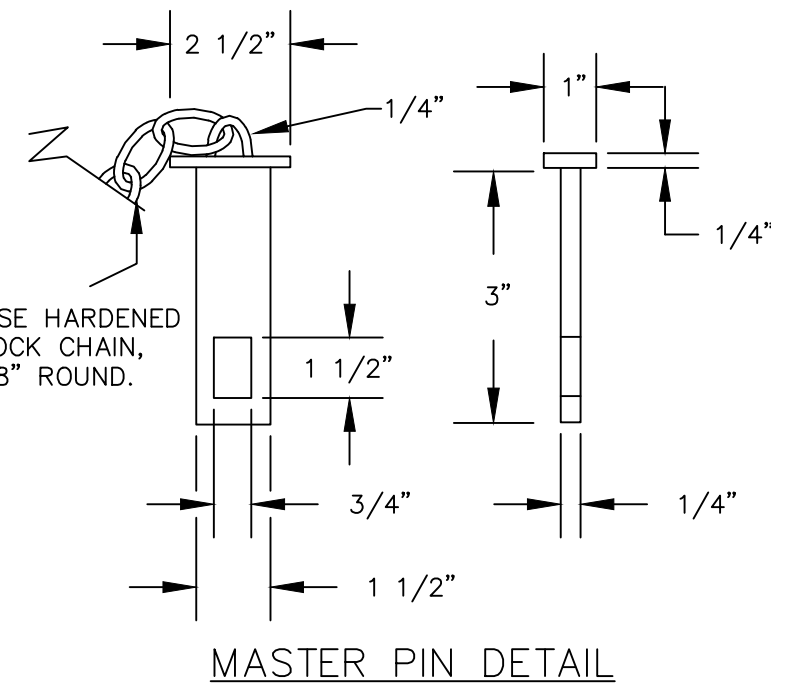
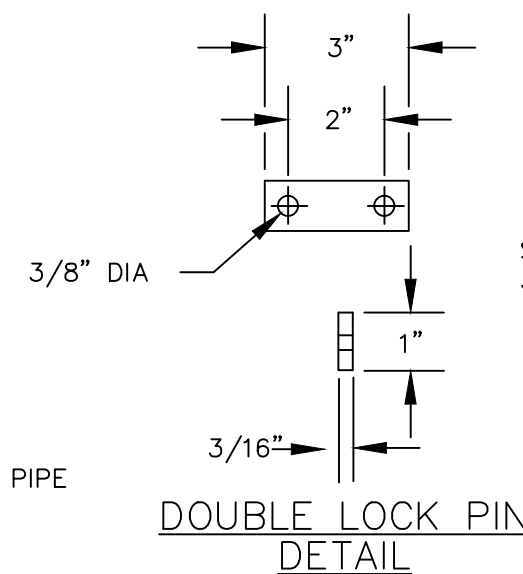
GATE DETAIL TYPE II

NOTES

1. EXTERIOR METAL EPOXY PAINT, COCOA BROWN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. BARRICADE MARKERS SHALL MEET MUTCD REQUIREMENTS FOR TYPE 1 (FBM-L AND FBM-R). COLOR - RED & WHITE. 4 REQUIRED, 2 LEFT SIDE STRIPE, 2 RIGHT SIDE STRIPE.
3. OBJECT MARKERS SHALL MEET MUTCD REQUIREMENTS FOR TYPE 2. 6 REQUIRED, 2 ON EACH SIDE OF POSTS DESIGNATED.
4. ALL WELDS REQUIRED TO MANUFACTURE GATE, UNLESS OTHERWISE SHOWN, SHALL BE FILLET AND SHALL BE OF THE SAME SIZE AS THE THICKNESS OF THE SMALLER OF THE TWO PIECES BEING JOINED.
5. ALL MARKERS SHALL MEET MUTCD REQUIREMENTS FOR HIGH INTENSITY PRISMATIC RETROFLECTIVE SHEETING.



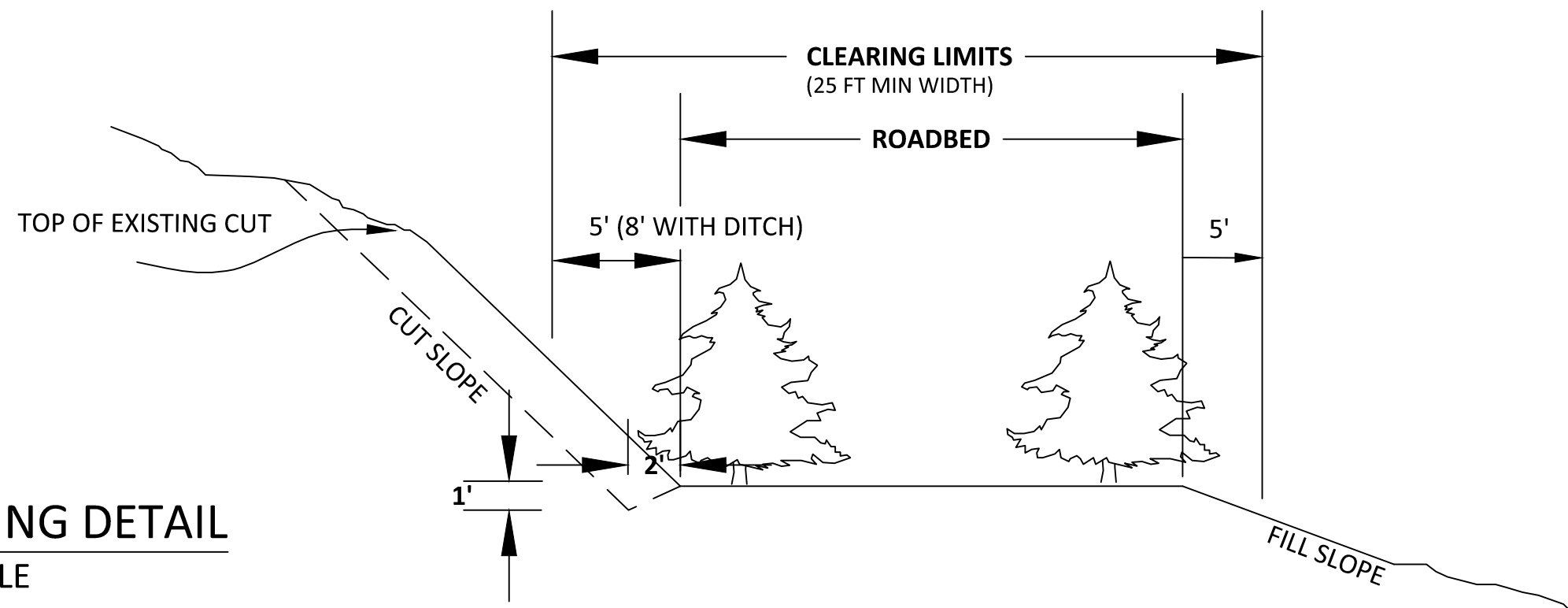
LOCKING POST DETAIL



WALKER STEWARDSHIP	SHEET	OF
GATE DETAIL	12	13

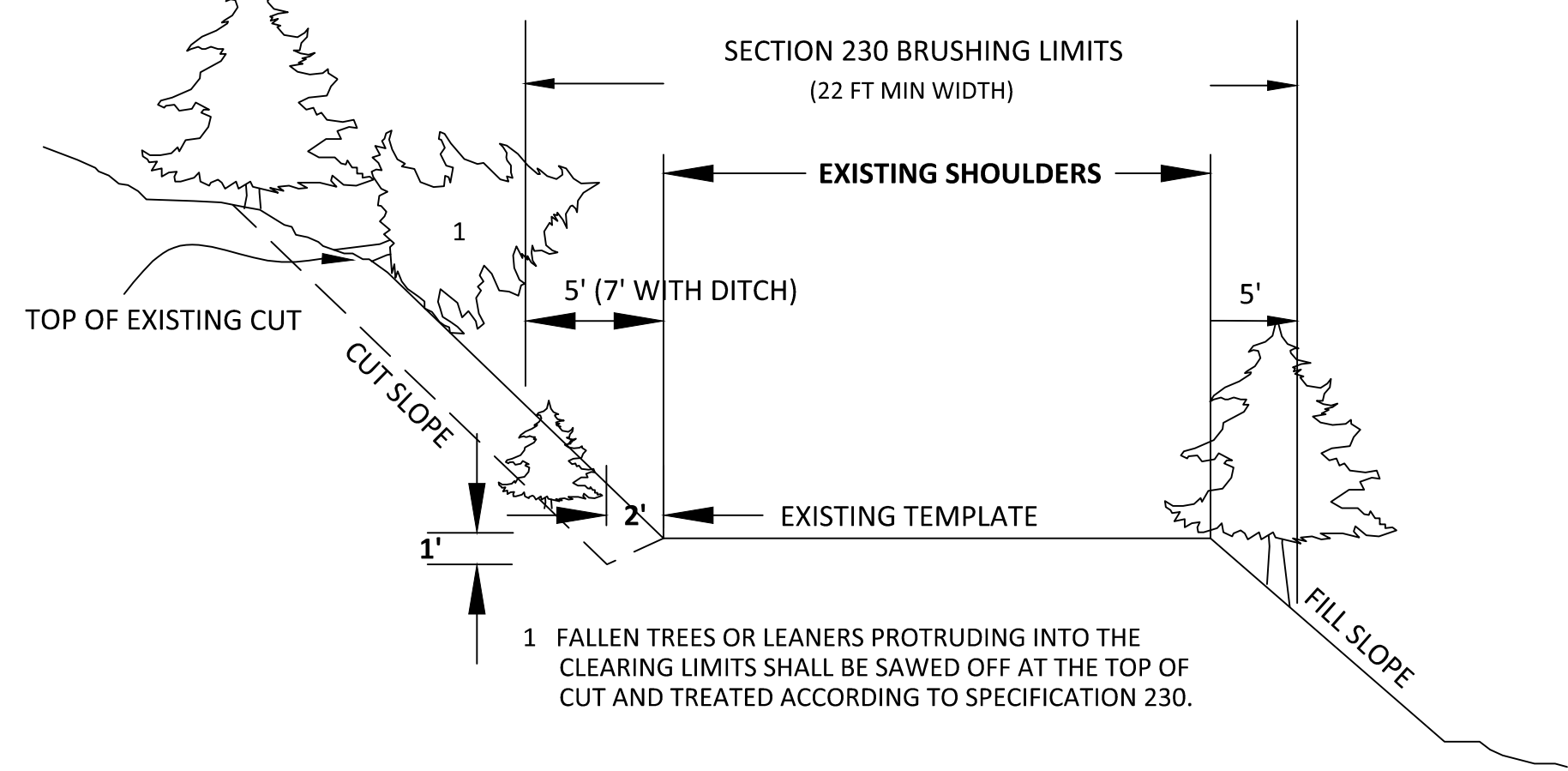
TYPICAL CLEARING DETAIL

NO SCALE



TYPICAL BRUSHING DETAIL

NO SCALE



1 FALLEN TREES OR LEANERS PROTRUDING INTO THE CLEARING LIMITS SHALL BE SAWED OFF AT THE TOP OF CUT AND TREATED ACCORDING TO SPECIFICATION 230.

WALKER STEWARDSHIP	SHEET	OF
BRUSHING DETAIL	13	13